Application Project

<120> Title : Polyvalente Allergievakzine
<130> AppFileReference : K 39 161/7sc
<140> CurrentAppNumber :
<141> CurrentFilingDate : ____-__-__

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
MGETLLRAVE SYAGELELQF RRVKCKYTVA TAPEVKYTVF ETALK
45
<212> Type : PRT
<211> Length : 45
SequenceName : Hybirdpolypeptid (page 6)
SequenceDescription :

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
MEQKLRSAGE LELQFRRVKC KYPEGTKVEF GVFNYETETT SVIPAARLKA FILDGDNLFP
60
KVAPQAINIE GNGGPGTKIS PEGFPFKYVK DRVDEVDHTN FKYNYSVIEG GPIGDTLEKI
120
SNEIKIVATP DGGSILKISN KYHTKGDHEV KAEQVKASKE GETLRVESYL LAHSDAYNKL
180
QAYAATVATA PEVKYTVFET ALKKATAMSE
210
<212> Type : PRT
<211> Length : 210
SequenceName : Konstrukt 1 (Phl p 1 - Bet v 1a - Phl p 5) - Aminosäuresequenz
SequenceDescription :

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
MAYAATVATA PEVKYTVFET ALKKAITAMS EEFGVFNYET ETTSVIPAAR LFKAFILDGD
60
NLFPKVAPQA ISSVENIEGN GGPGTIKKIS FPEGFPFKYV KDRVDEVDHT NFKYNYSVIE
120
GGPIGDTLEK ISNEIKIVAT PDGGSILKIS NKYHTKGDHE VKAEQVKASK EMGETLLRAV
180
ESYLLAHSDA YNKLEQKLRS AGELELQFRR VKCKYPEGTK V
221
<212> Type : PRT
<211> Length : 221
SequenceName : Konstrukt 2 (Phl p 5 - Bet v 1a - Phl p 1) - Aminosäuresequenz

SequenceDescription :

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
MGEFGVFNYE TETTSVIPAA RLFKAFILDG DNLFPKVAPQ AISSVENIEG NGGPGTIKKI
60
SFPEGFPFKY VKDRVDEVDH TNFKYNYSVI EGGPIGDTLE KISNEIKIVA TPDGGSILKI
120
SNKYHTKGDH EVKAEQVKAS KEMGETLLRA VESYLLAHSD AYNKLEQKLR SAGELELQFR
180
RVKCKYPEGT KVTSQAYAAT VATAPEVKYT VFETALKKAI TAMSE
225
<212> Type : PRT
<211> Length : 225
SequenceName : Konstrukt 3 (Bet v 1a - Phl p 1 - Phl p 5) -
Aminosäuresequenz
SequenceDescription :

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
MEQKLRSAGE LELQFRRVKC KYPEGTKVTS QAYAATVATA PEVKYTVFET ALKKAITAMS
60
EEFGVFNYET ETTSVIPAAR LFKAFILDGD NLFPKVAPQA ISSVENIEGN GGPGTIKKIS
120
FPEGFPFKYV KDRVDEVDHT NFKYNYSVIE GGPIGDTLEK ISNEIKIVAT PDGGSILKIS
180
NKYHTKGDHE VKAEQVKASK EMGETLLRAV ESYLLAHSDA YN
222
<212> Type : PRT
<211> Length : 222
SequenceName : Konstrukt 4 (Phl p 1 - Phl p 5 - Bet v 1a) -
Aminosäuresequenz
SequenceDescription :

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ccatggagca gaagctgcgc agcgccggcg agctggagct ccagttccgg cgcgtcaagt
60
gcaagtaccc ggagggcacc aaggtggaat tcggtgtttt caattacgaa actgagacca
120
cctctgttat cccagcagct cgactgttca aggcctttat ccttgatggc gataatctct
180
ttccaaaggt tgcaccccaa gccattagca gtgttgaaaa cattgaagga aatggagggc
240
ctggaaccat taagaagatc agctttcccg aaggcttccc tttcaagtac gtgaaggaca
300

gagttgatga ggtggaccac acaaacttca aatacaatta cagcgtgatc gagggcggtc
360
ccataggcga cacatggaga agatctccaa cgagataaag atagtggcaa cccctgatgg
420
aggatccatc ttgaagatca gcaacaagta ccacaccaaa ggtgaccatg aggtgaaggc
480
agagcaggtt aaggcaagta aagaaatggg cgagacactt ttgagggccg ttgagagcta
540
cctcttggca cactccgatg cctacaacaa gcttcaggcc tacgccgcca ccgtcgccac
600
cgcgccggag gtcaagtaca ctgtctttga gaccgcactg aaaaaggcca tcaccgccat
660
gtccgaataa ctcgag
676
<212> Type : DNA
<211> Length : 676
SequenceName : Konstrukt 1 (Phl p 1 - Bet v 1a - Phl p 5) -
Nukleotidsequenz
SequenceDescription :

Custom Codon

Sequence Name : Konstrukt 1 (Phl p 1 - Bet v 1a - Phl p 5) - Nukle
otidsequenz

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ccatggccta cgccgccacc gtcgccaccg cgccggaggt caagtacact gtctttgaga
60
ccgcactgaa aaaggccatc accgccatgt ccgaagaatt cggtgttttc aattacgaaa
120
ctgagaccac ctctgttatc ccagcagctc gactgttcaa ggcctttatc cttgatggcg
180
ataatctctt tccaaaggtt gcaccccaag ccattagcag tgttgaaaac attgaaggaa
240
atggagggcc tggaaccatt aagaagatca gctttcccga aggcttccct ttcaagtacg
300
tgaaggacag agttgatgag gtggaccaca caaacttcaa atacaattac agcgtgatcg
360
agggcggtcc cataggcgac acatggagaa gatctccaac gagataaaga tagtggcaac
420
ccctgatgga ggatccatct tgaagatcag caacaagtac cacaccaaag gtgaccatga
480
ggtgaaggca gagcaggtta aggcaagtaa agaaatgggc gagacacttt tgagggccgt
540
tgagagctac ctcttggcac actccgatgc ctacaacaag cttgagcaga agctgcgcag
600
cgccggcgag ctggagctcc agttccggcg cgtcaagtgc aagtacccgg agggcaccaa
660
ggtgtaactc gag

673
<212> Type : DNA
<211> Length : 673
SequenceName : Konstrukt 2 (Phl p 5 - Bet v 1a - Phl p 1) - Nukleotidsequenz
SequenceDescription :

Custom Codon

Sequence Name : Konstrukt 2 (Phl p 5 - Bet v 1a - Phl p 1) - Nukleotidsequenz

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ccatgggaga attcggtgtt ttcaattacg aaactgagac cacctctgtt atcccagcag
60
ctcgactgtt caaggccttt atccttgatg gcgataatct ctttccaaag gttgcacccc
120
aagccattag cagtgttgaa aacattgaag gaaatggagg gcctggaacc attaagaaga
180
tcagctttcc cgaaggcttc cctttcaagt acgtgaagga cagagttgat gaggtggacc
240
acacaaactt caaatacaat tacagcgtga tcgagggcgg tcccataggc gacacatgga
300
gaagatctcc aacgagataa agatagtggc aacccctgat ggaggatcca tcttgaagat
360
cagcaacaag taccacacca aaggtgacca tgaggtgaag gcagagcagg ttaaggcaag
420
taaagaaatg ggcgagacac ttttgagggc cgttgagagc tacctcttgg cacactccga
480
tgcctacaac aagcttgagc agaagctgcg cagcgccggc gagctggagc tccagttccg
540
gcgcgtcaag tgcaagtacc cggagggcac caaggtgact agtcaggcct acgccgccac
600
cgtcgccacc gcgccggagg tcaagtacac tgtctttgag accgcactga aaaaggccat
660
caccgccatg tccgaataac tcgag
685
<212> Type : DNA
<211> Length : 685
SequenceName : Konstrukt 3 (Bet v 1a - Phl p 1 - Phl p 5) - Nukleotidsequenz
SequenceDescription :

Custom Codon

Sequence Name : Konstrukt 3 (Bet v 1a - Phl p 1 - Phl p 5) - Nukleotidsequenz

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ccatggagca gaagctgcgc agcgccggcg agctggagct ccagttccgg cgcgtcaagt
60
gcaagtaccc ggagggcacc aaggtgacta gtcaggccta cgccgccacc gtcgccaccg
120
cgccggaggt caagtacact gtctttgaga ccgcactgaa aaaggccatc accgccatgt
180
ccgaagaatt cggtgttttc aattacgaaa ctgagaccac ctctgttatc ccagcagctc
240
gactgttcaa ggcctttatc cttgatggcg ataatctctt tccaaaggtt gcaccccaag
300
ccattagcag tgttgaaaac attgaaggaa atggagggcc tggaaccatt aagaagatca
360
gctttcccga aggcttccct ttcaagtacg tgaaggacag agttgatgag gtggaccaca
420
caaacttcaa atacaattac agcgtgatcg agggcggtcc cataggcgac acatggagaa
480
gatctccaac gagataaaga tagtggcaac ccctgatgga ggatccatct tgaagatcag
540
caacaagtac cacaccaaag gtgaccatga ggtgaaggca gagcaggtta aggcaagtaa
600
agaaatgggc gagacacttt tgagggccgt tgagagctac ctcttggcac actccgatgc
660
ctacaactaa ctcgag
676
<212> Type : DNA
<211> Length : 676
SequenceName : Konstrukt 4 (Phl p 1 - Phl p 5 - Bet v 1a) -
Nukleotidsequenz
SequenceDescription :

Custom Codon

Sequence Name : Konstrukt 4 (Phl p 1 - Phl p 5 - Bet v 1a) - Nukle
otidsequenz

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
catgccatgg agcagaagct gcgcagc
27
<212> Type : DNA
<211> Length : 27
SequenceName : Construct 1: Pept 2 - Bet v 1a - Pept 4
(1a)
SequenceDescription :

Custom Codon

Sequence Name : Construct 1: Pept 2 - Bet v 1a - Pept 4 (1a)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
atgaattcca ccttggtgcc ctccgg
26
<212> Type : DNA
<211> Length : 26
SequenceName : Construct 1: Pept 2 - Bet v 1a - Pept 4 (1b)
SequenceDescription :

Custom Codon

Sequence Name : Construct 1: Pept 2 - Bet v 1a - Pept 4(1b)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
accaagcttc aggcctacgc cgccacc
27
<212> Type : DNA
<211> Length : 27
SequenceName : Construct 1: Pept 2 - Bet v 1a - Pept 4 (1c)
SequenceDescription :

Custom Codon

Sequence Name : Construct 1: Pept 2 - Bet v 1a - Pept 4(1c)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ccgctcgagt tattcggaca tggcggtgat
30
<212> Type : DNA
<211> Length : 30
SequenceName : Construct 1: Pept 2 - Bet v 1a - Pept 4 (1d)
SequenceDescription :

Custom Codon

Sequence Name : Construct 1: Pept 2 - Bet v 1a - Pept 4(1d)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
accaagcttg agcagaagct gcgcagc
27
<212> Type : DNA
<211> Length : 27
SequenceName : Construct 2: Pept 4 - Bet v 1a - Pept 2 (2a)
SequenceDescription :

Custom Codon

Sequence Name : Construct 2: Pept 4 - Bet v 1a - Pept 2(2a)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ccgctcgagt tacaccttgg tgccctccgg
30
<212> Type : DNA
<211> Length : 30
SequenceName : Construct 2: Pept 4 - Bet v 1a - Pept 2 (2b)
SequenceDescription :

Custom Codon

Sequence Name : Construct 2: Pept 4 - Bet v 1a - Pept 2(2b)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
catgccatgg cctacgccgc caccgtc
27
<212> Type : DNA
<211> Length : 27
SequenceName : Construct 2: Pept 4 - Bet v 1a - Pept 2 (2c)
SequenceDescription :

Custom Codon

Sequence Name : Construct 2: Pept 4 - Bet v 1a - Pept 2(2c)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
atgaattctt cggacatggc ggtgat
26

<212> Type : DNA
<211> Length : 26
SequenceName : Construct 2: Pept 4 - Bet v 1a - Pept 2 (2d)
SequenceDescriptien :

Custom Codon

Sequence Name : Construct 2: Pept 4 - Bet v 1a - Pept 2(2d)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
accaagcttg agcagaagct gcgcagc
27
<212> Type : DNA
<211> Length : 27
SequenceName : Construct 3: Bet v 1a - Pept 2 - Pept 4 (3a)
SequenceDescription :

Custom Codon

Sequence Name : Construct 3: Bet v 1a - Pept 2 - Pept 4(3a)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ggactagtca ccttggtgcc ctccgg
26
<212> Type : DNA
<211> Length : 26
SequenceName : Construct 3: Bet v 1a - Pept 2 - Pept 4 (3b)
SequenceDescription :

Custom Codon

Sequence Name : Construct 3: Bet v 1a - Pept 2 - Pept 4(3b)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ggactagtca ggcctacgcc gccacc
26
<212> Type : DNA
<211> Length : 26
SequenceName : Construct 3: Bet v 1a - Pept 2 - Pept 4 (3c)

SequenceDescription :

Custom Codon

Sequence Name : Construct 3: Bet v 1a - Pept 2 - Pept 4(3c)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ccgctcgagt tattcggaca tggcggtgat
30
<212> Type : DNA
<211> Length : 30
SequenceName : Construct 3: Bet v 1a - Pept 2 - Pept 4
(3d)
SequenceDescription :

Custom Codon

Sequence Name : Construct 3: Bet v 1a - Pept 2 - Pept 4(3d)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
catgccatgg agcagaagct gcgcagc
27
<212> Type : DNA
<211> Length : 27
SequenceName : Construct 4: Pept 2 - Pept 4 - Bet v 1a
(4a)
SequenceDescription :

Custom Codon

Sequence Name : Construct 4: Pept 2 - Pept 4 - Bet v 1a(4a)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ggactagtca ccttggtgcc ctccggg
27
<212> Type : DNA
<211> Length : 27
SequenceName : Construct 4: Pept 2 - Pept 4 - Bet v 1a
(4b)
SequenceDescription :

Custom Codon

Sequence Name : Construct 4: Pept 2 - Pept 4 - Bet v 1a(4b)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ggactagtca ggcctacgcc gccacc
26
<212> Type : DNA
<211> Length : 26
SequenceName : Construct 4: Pept 2 - Pept 4 - Bet v 1a
(4c)
SequenceDescription :

Custom Codon

Sequence Name : Construct 4: Pept 2 - Pept 4 - Bet v 1a(4c)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
atgaattctt cggacatggc ggtgat
26
<212> Type : DNA
<211> Length : 26
SequenceName : Construct 4: Pept 2 - Pept 4 - Bet v 1a
(4d)
SequenceDescription :

Custom Codon

Sequence Name : Construct 4: Pept 2 - Pept 4 - Bet v 1a(4d)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
catgccatgg gagaattcgg tgttttcaat tacgaaactg
40
<212> Type : DNA
<211> Length : 40
SequenceName : Bet v 1a(5a)
SequenceDescription :

Custom Codon

Sequence Name : Bet v 1a(5a)

Sequence

<213> OrganismName : Unknown

<400> PreSequenceString :
ccgctcgagt ccaagcttgt tgtaggcatc ggagtgtg
38
<212> Type : DNA
<211> Length : 38
SequenceName : Bet v 1a(5b)
SequenceDescription :

Custom Codon

Sequence Name : Bet v 1a(5b)

Sequence

<213> OrganismName : Unknown
<400> PreSequenceString :
ccgctcgagt tagttgtagg catcggagtg
30
<212> Type : DNA
<211> Length : 30
SequenceName : Bet v 1a(5c)
SequenceDescription :

Custom Codon

Sequence Name : Bet v 1a(5c)